TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6.
Consultants	Tejus Consultants, Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SIEVE ANALYSIS

Total Weight:	3000 gms		
Type of Material	Fine aggregate (M sand)	Proposed Use	concrete
Sample Location	3rd cross,Hegdenagar 3rd Main	Date of Sampling	21-07-2020
		Date of Testing	22-07-2020

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	232	232	7.73	92.27	90 - 100
2.36 mm	358	590	19.67	80.33	75 - 100
1.18 mm	432	1022	34.07	65.93	55 - 90
0.600 mm	497	1519	50.63	49.37	35 -59
0.300 mm	720	2239	74.63	25.37	8-30
0.150 mm	646	2885	96.17	3.83	0 - 10
Pan	115	3000			-

Remarks : Satisfactory / Not Satisfactory

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4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

TEJUS CONSULTANTS

Authorised Signatory

A.E.E. (Project)

Test Report on Cement

TEJUS CONSULTANTS

Project	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6.
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Sample ID	Cement (ACC Cement) OPC 43 Grade
Date of Sample Tested	22-07-2020
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	112 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	584 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	7mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	29.00%	25 % to 35

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Authorised Signatory

A.E.E. (Project)

TEJUS CONSULTANTS

PRECAST SLAB (CORE) TEST REPORT

Client	:	Bruhat Bangalore Mahanagara Palike
Contractor	:	Sri. P Hemanth (SOORYA CREATERS)
Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.
No.of Sample Tested	:	3
Date of Testing	:	28-07-2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M20. 100mm thick

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	90.00	0.466	2637.02	1.80	0.960	39.56	20.15	21.76	20.89	26.11
2	50.00	90.00	0.462	2614.39	1.80	0.960	39.45	20.09	21.70	20.83	26.04
3	50.00	90.00	0.452	2557.80	1.80	0.960	39.53	20.13	21.74	20.87	26.09

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A.E.E. (Project)

TEJUS CONSULTANTS

Consultant's Representative

TEJUS CONSULTANTS

PRECAST SLAB (CORE) TEST REPORT

Client	:	Bruhat Bangalore Mahanagara Palike
Contractor	:	Sri. P Hemanth (SOORYA CREATERS)
Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.
No. of Sample Tested	:	3
Date of Testing	:	28-07-2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M20_100mm thick

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
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No.of Sample Tested	:	3
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Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
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PRECAST SLAB (CORE) TEST REPORT

Client	:	Bruhat Bangalore Mahanagara Palike
Contractor	:	Sri. P Hemanth (SOORYA CREATERS)
Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.
No.of Sample Tested	:	3
Date of Testing	:	28-07-2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M20_100mm thick

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
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PRECAST SLAB (CORE) TEST REPORT

Client	:	Bruhat Bangalore Mahanagara Palike
Contractor	:	Sri. P Hemanth (SOORYA CREATERS)
Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6.
No.of Sample Tested	:	3
Date of Testing	:	29-07-2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M20 .250mm Thick

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (KN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	100.00	180.00	3.542	2505.45	1.80	0.960	159.00	20.24	21.86	20.99	26.24
2	100.00	180.00	3.528	2495.55	1.80	0.960	161.00	20.50	22.14	21.25	26.57
3	100.00	180.00	3.531	2497.67	1.80	0.960	158.00	20.12	21.73	20.86	26.07

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PRECAST SLAB (CORE) TEST REPORT

Client	:	Bruhat Bangalore Mahanagara Palike
Contractor	:	Sri. P Hemanth (SOORYA CREATERS)
Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.
No.of Sample Tested	:	3
Date of Testing	:	30-07-2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M20_100mm thick

Sl.No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	90.00	0.466	2637.02	1.80	0.960	39.76	20.25	21.87	20.99	26.24
2	50.00	90.00	0.466	2637.02	1.80	0.960	39.46	20.10	21.70	20.84	26.05
3	50.00	90.00	0.454	2569.11	1.80	0.960	39.53	20.13	21.74	20.87	26.09

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PRECAST SLAB (CORE) TEST REPORT

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Contractor	:	Sri. P Hemanth (SOORYA CREATERS)
Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.
No.of Sample Tested	:	3
Date of Testing	:	30-07-2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M20_100mm thick

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	90.00	0.466	2637.02	1.80	0.960	39.76	20.25	21.87	20.99	26.24
2	50.00	90.00	0.466	2637.02	1.80	0.960	39.46	20.10	21.70	20.84	26.05
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PRECAST SLAB (CORE) TEST REPORT

TEJUS CONSULTANTS

Client	:	Bruhat Bangalore Mahanagara Palike
Contractor	:	Sri. P Hemanth (SOORYA CREATERS)
Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6
No.of Sample Tested	:	3
Date of Testing	:	01-08-2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M20. 100mm thick

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	90.00	0.446	2523.84	1.80	0.960	39.46	20.10	21.70	20.84	26.05
2	50.00	90.00	0.467	2642.68	1.80	0.960	39.41	20.07	21.68	20.81	26.01
3	50.00	90.00	0.462	2614.39	1.80	0.960	39.62	20.18	21.79	20.92	26.15

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PRECAST SLAB (CORE) TEST REPORT

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Contractor	:	Sri. P Hemanth (SOORYA CREATERS)
Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6
No.of Sample Tested	:	3
Date of Testing	:	01-08-2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M20_100mm thick

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
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2	50.00	90.00	0.467	2642.68	1.80	0.960	39.41	20.07	21.68	20.81	26.01
3	50.00	90.00	0.462	2614.39	1.80	0.960	39.62	20.18	21.79	20.92	26.15

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Client	:	Bruhat Bangalore Mahanagara Palike
Contractor	:	Sri. P Hemanth (SOORYA CREATERS)
Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6.
No.of Sample Tested	:	3
Date of Testing	:	03-08-2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M20. 100mm thick

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalen Cube Compressiv Strength (N/mm^2)
1	50.00	90.00	0.466	2637.02	1.80	0.960	38.36	19.54	21.10	20.26	25.32
2	50.00	90.00	0.452	2557.80	1.80	0.960	39.89	20.32	21.94	21.06	26.33
3	50.00	90.00	0.462	2614.39	1.80	0.960	39.57	20.15	21.77	20.89	26.12

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Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6.
No.of Sample Tested	:	3
Date of Testing	:	03-08-2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M20_100mm thick

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
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A.E.E. (Project)

TEJUS CONSULTANTS

Consultant's Representative

TEJUS
CONSULTANTS

KERB STONE (CORE) TEST REPORT

Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6
Client	:	Bruhat Bengaluru Mahanagara Palike
Contractor	:	Sri. P Hemanth (SOORYA CREATERS)
Consultant	:	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
No.of Sample Tested	:	3
Date of Testing	:	03-08-2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength
1	50.00	85.00	0.395	2366.73	1.70	0.960	29.69	15.12	16.33	15.68	19.60
2	50.00	85.00	0.386	2312.80	1.70	0.960	29.67	15.11	16.32	15.67	19.58
3	50.00	85.00	0.383	2294.83	1.70	0.960	29.58	15.06	16.27	15.62	19.52

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A.E.E. (Project)

TEJUS CONSULTANTS

Consultant's Representative

TEJUS
CONSULTANTS

KERB STONE (CORE) TEST REPORT

Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6
Client	:	Bruhat Bengaluru Mahanagara Palike
Contractor	:	Sri. P Hemanth (SOORYA CREATERS)
Consultant	:	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
No.of Sample Tested	:	3
Date of Testing	:	03-08-2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalen Cube Compressive Strength
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2	50.00	85.00	0.386	2312.80	1.70	0.960	29.67	15.11	16.32	15.67	19.58
3	50.00	85.00	0.383	2294.83	1.70	0.960	29.58	15.06	16.27	15.62	19.52

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4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

Consultant's Representative

TEJUS
CONSULTANTS

KERB STONE (CORE) TEST REPORT

Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6
Client	:	Bruhat Bengaluru Mahanagara Palike
Contractor	:	Sri. P Hemanth (SOORYA CREATERS)
Consultant	:	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
No.of Sample Tested	:	3
Date of Testing	:	05-08-2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	85.00	0.375	2246.89	1.70	0.960	29.52	15.03	16.24	15.59	19.48
2	50.00	85.00	0.392	2348.75	1.70	0.960	29.50	15.02	16.23	15.58	19.47
3	50.00	85.00	0.384	2300.82	1.70	0.960	29.62	15.09	16.29	15.64	19.55

Note:

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KERB STONE (CORE) TEST REPORT

Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6
Client	:	Bruhat Bengaluru Mahanagara Palike
Contractor	:	Sri. P Hemanth (SOORYA CREATERS)
Consultant	:	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
No.of Sample Tested	:	3
Date of Testing	:	10-08-2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength
1	50.00	85.00	0.398	2384.70	1.70	0.960	29.79	15.17	16.39	15.73	19.66
2	50.00	85.00	0.386	2312.80	1.70	0.960	29.67	15.11	16.32	15.67	19.58
3	50.00	85.00	0.393	2354.74	1.70	0.960	29.68	15.12	16.33	15.67	19.59

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A.E.E. (Project)

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KERB STONE (CORE) TEST REPORT

Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6
Client	:	Bruhat Bengaluru Mahanagara Palike
Contractor	:	Sri. P Hemanth (SOORYA CREATERS)
Consultant	:	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
No.of Sample Tested	:	3
Date of Testing	:	13-08-2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	85.00	0.385	2306.81	1.70	0.960	29.72	15.14	16.35	15.69	19.62
2	50.00	85.00	0.396	2372.72	1.70	0.960	29.54	15.04	16.25	15.60	19.50
3	50.00	85.00	0.384	2300.82	1.70	0.960	29.65	15.10	16.31	15.66	19.57

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KERB STONE (CORE) TEST REPORT

Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6
Client	:	Bruhat Bengaluru Mahanagara Palike
Contractor	:	Sri. P Hemanth (SOORYA CREATERS)
Consultant	:	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
No.of Sample Tested	:	3
Date of Testing	:	26-12-2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength
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2	50.00	85.00	0.386	2312.80	1.70	0.960	29.67	15.11	16.32	15.67	19.58
3	50.00	85.00	0.393	2354.74	1.70	0.960	29.68	15.12	16.33	15.67	19.59

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